

Amendments to the Specification

Please replace the paragraph starting on page 1, line 12, with the following rewritten paragraph:

In the prior art, many programs and Internet web sites display information using hover text to conserve screen display real estate. One prior art use of hover text in application programs is to display information on a control button or icon. FIG. 1 illustrates a use of hover text [4] 2 to display information on the operation of the "Reload" button. This information is static information provided for particular icons and control buttons on the page. Another prior art use of hover text is to display the entire content in a display area if the display area is not large enough to display all the content. Typically, the display area crops the content to display only that part of the content that fits into the display area. If a user moves a mouse over the display area, then the display area will display in a hover text box the entire content of the display area. The use of hover text is implemented in standard page description languages such as the Hypertext Markup Language (HTML). HTML provides an alternate text command that allows the display of text over an image. Details of HTML are described in the publication "HTML 4.0 Specification," W3C Recommendation, revised April 24, 1998 (Copyright World Wide Web Consortium 1998), which publication is incorporated herein by reference in its entirety.

Please replace the paragraph starting on page 3, line 18, with the following rewritten paragraph:

A2 FIG. 1 illustrates [a] an HTML page displaying hover text in a manner known in the art;

Please replace the paragraph starting on page 4, line 9, with the following rewritten paragraph:

FIG. 2 illustrates a hardware and software environment in which preferred embodiments are implemented. A computing environment [2] comprises a server 4, client computers 8a, b, c, and a network 10 providing communication therebetween. The server 4 may be any server device known in the art capable of servicing network requests, e.g., IBM NETFINITY, AS/400, and RS/6000; and POWEREDGE from Dell Computer Corporation.** The clients 8a, b, c may be comprised of any computing device known in the art that is capable of accessing and retrieving information from a network. In preferred embodiments, the server 4 includes a web server program 12 that utilizes the Hypertext Transfer Protocol (HTTP) program 12 to service HTTP requests from the clients 8a, b, c. The web server 12 may also include software to handle document requests in data transfer protocols other than HTTP, such as FTP, Gopher, WAIS, NNTP, SMTP, etc.

Please replace the paragraph starting on page 5, line 12, with the following rewritten paragraph:

The clients 8a, b, c include one or more browser programs 16 that are capable of submitting document requests to the server 4. In preferred embodiments, the browser program [14] 16 is a Hypertext Markup-Language (HTML) browser, e.g., NETSCAPE Communicator, the MICROSOFT Internet Explorer, Spry Mosaic, NCSA Mosaic, Lynx, Opera, GNUscape Navigator, etc.**, that includes HTTP software to function as an HTTP client to transfer document requests to the server 4. The HTTP server protocol is described in "Hypertext Transfer Protocol -- HTTP/1.1," Network Working Group, Request for Comments No. 2068 (January, 1997), which publication is incorporated

A4 herein by reference in its entirety. The browser program [14] 16 may also include plug-ins or additional program features to process files in other media formats, such as sound files, movie files, JAVA™ applets**, etc.

Please replace the paragraph starting on page 5, line 27, with the following rewritten paragraph:

A5 FIG. 3 illustrates an example of how preferred embodiments display information on a page. In this example, the database 14 includes one or more tables of information on music videos, including fields for the title of the video, authors, and a description of the type of video, e.g., jazz instrument, biography, children, etc. With respect to FIG. [4] 3, a web page 100 includes a search field 102 into which the user enters a search value and other search parameters through a drop down list 104. Upon the user selecting the "GO" button 106, an HTTP request to the server 4 would be transmitted over the network 10. In response, the web server 12 would generate an HTML page 100 including the records of the results displayed in fixed size content boxes 108. The content boxes may remain fixed relative to the size of the window. Thus, as the window is resized, the content boxes may be similarly resized. The web server 12 generates the HTML code to display in each content box the video name, the authors, i.e., artists, followed by a category description of the video. If there is more than one artist, then the web server 12 generates HTML code to display the first artist, followed by "et al." and a graphical element "i" 110 indicating that there are further authors. If the user passes a mouse or other input device over the displayed "i", then the web page 100 would display in a hover text box, e.g., box 112, the names of all the authors or artists. In further embodiments, if the complete author information cannot fit into the hover text box, then such information would be truncated in the hover text box. Notwithstanding, the hover text box would display substantially more information than displayed in the content boxes 108.

Please replace the paragraph starting on page 6, line 25, with the following rewritten paragraph:

FIG. 4 illustrates logic implemented in the web server 12 program or components thereof to generate an output page, e.g., HTML, XML, etc., in response to a client HTTP request for data from the database 14. Control begins at block 200 with the web server 12 receiving a user HTTP request and accompanying HTML page including search criteria. The web server 12 generates (at block 202) a query using the search criteria included in the HTML page and applies the query against the database 14. Upon receiving the records matching the query (at block 204), the web server 12 encodes (at block 206) in HTML the upper part of the HTML page 100 to include the search criteria provided by the user, as shown in FIG. [4] 3. For each received record *i*, the web server 12 begins a loop at block 208 to generate information from the record into each display box 108. First the web server 12 defines (at block 210) in HTML code a cell in the template to include record *i* data. The web server 12 may use the HTML "TD" element to define a table cell to include the data from record *i*. The web server 12 then encodes (at block 212) the first field in the record *i* into the HTML template. In the example of FIG. [4] 3, the first data in each record box 108 is the name of the video.

Please replace the paragraph starting on page 6, line 25, with the following rewritten paragraph:

The web server 12 then determines (at block 214) whether the second field includes a separator indicating multiple values for that field. If only one value is included for the field, e.g., such as one author, then the web server 12 encodes (at block 216) the single value into the template 100 following the first field. ~~The web server 12 then encodes (at block 218) the data in the third field into the template following the second~~

field. In FIG. [4] 3, the third field is categorical information on the video. Control then proceeds (at block 220 118) back to block 208 to process the next returned record. If the second field included a separator and more than one value, e.g., multiple authors, then the web server 12 encodes (at block 222 220) the first value before the first separator into the display box followed by "et al". The web server 12 then encodes (at block 224 222) an image element to embed an information symbol into the cell, shown as "i" 110 in display box 108 FIG. [4] 3. The information symbol "i" denotes that there is further information on the authors not displayed in the box 108. The web server 12 then encodes (at block 226 224) a hover text element following the information symbol "i" to include the capability to display the full list of authors in hover text above the box, as shown as 112 in FIG. [4] 3, when the user passes an input device, such as a mouse pointer, over the hover text element following the information symbol "i".

Please replace the paragraph starting on page 8, line 1, with the following rewritten paragraph:

In preferred embodiments, the hover text capability would be encoded using the HTML alternate text "alt" attribute definition. After adding the hover text capability to the display box 108, the web server 12 proceeds to block 218 226 to encode the data from the third field into the template 100. The web server 12 encodes (at block 226) the data in the third field into the template following the second field. In FIG. 3, the third field is categorical information on the video. After inputting data from all the returned records in the HTML page 100, the web server 12 transmits the generated page to the client 8a, b, or c over the network 10.